

SECTION A-A

Scale: 1"=1'-0"

$\phi$  1/16" x 1/4" Horiz. Slots  
in Post Flange.  
 $\phi$  1/16"  $\phi$  holes in Tubes.

$\phi$  1/16"  $\phi$  hole  
in post flange.

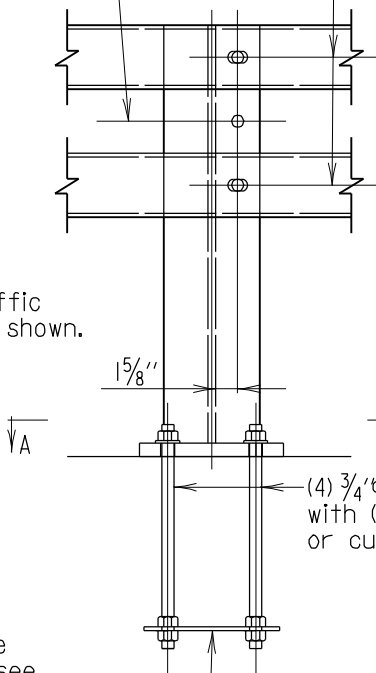
$\phi$  5/8"  $\phi$  Hex. Hd.  
Bolt with Hex. Nuts  
& washers (Typ.).

1/4"  $\phi$  Double Extra  
Strong Pipe Sleeve  
x 2 1/8".

Structural Tubing  
4"x3"x1/4"

W Beam  
Traffic  
Barrier

Note:  
W Beam Traffic  
Barrier not shown.



INSIDE ELEVATION

Scale: 1"=1'-0"

Post W6x20

Typ.  $\frac{3}{8}$ "  
All sides  
and back.

(4) 3/4"  $\phi$  Anchor Studs  
with (3) 3/4"-10 thd. (rolled  
or cut) Hex. Steel Nuts.

(2) 5/8"  $\phi$  Anchor Studs  
with (2) 5/8"-11 thd. (rolled  
or cut) Hex. Steel Nuts.

3/16" Fiberglass  
(see sheet 3 of 3  
for details).

Top of  
Roadway

Anchor Plate  
3"x8 1/2"x1/4" see  
detail sheet 2 of 2.

\* See pertinent structure  
sheets for dimensions  
of pedestal.

SECTION

Scale: 1"=1'-0"

Notes:

1. Panel lengths of structural tubing members shall be attached continuously to a minimum of three posts except at abutments with expansion joints.
2. All steel components shall be galvanized, after fabrication, unless otherwise shown on Plans.
3. Structural tubing section shall meet ASTM A 709 Grade 50. All other steel except bolts shall meet ASTM A 709 Grade 36.
4. All anchor studs and nuts shall meet ASTM A 325.
5. Maximum post spacing 6'-3".
6. Posts shall be set vertical for level or low side roadway and perpendicular to high side superelevated roadway.

7. Fiberglass to be used only when indicated on pertinent structure sheets.

APPROVAL

*L.S. Friedman* DIRECTOR  
OFFICE OF BRIDGE DEVEL.

DATE: 4/23/90

REVISIONS

SHA FHWA

FHWA APPROVAL

DATE:

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF BRIDGE DEVELOPMENT

W BEAM TRAFFIC BARRIER  
FOR STRUCTURES

STANDARD NO. BC(6.11)-90-218

SHEET 1 OF 3

BOX CULVERT